**Level 4 Homework**

**Due 7th August 2014**

**Spelling**

*acceleration, asteroid, cosmology, exospheres, meteorite, nebula, satellite, Proxima Centauri, elliptical*

Write these words into three columns. Use the first column to practise writing the words, the second to write your words in rainbow colour, whilst the third column should be used as a test and then signed by a parent.

**Reading**

**You must read for 15 – 20 minutes each night**. We expect 10 reading entries for this homework period. Please get each reading entry signed in the back of your homework book.

**IS and Writing**

Choose a planet in our solar system and consider three differences between it and Earth.

What changes would you need to make in order to allow you to live on that planet? (e.g. to live on Mars I would need to be able to breathe without oxygen.)

Draw a diagram and write 2-3 paragraphs about the changes you would make and how you would make them happen.

**Maths**

**Multiplication and Division**

Write down a “trick” or a strategy you can use to find out if large numbers are divisible by the numbers 1-12 (e.g. Even numbers are divisible by 2.)

**Measurement**

**Convert these measurements:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| |  |  | | --- | --- | | **1a.** | **13,656 g = \_\_\_\_\_\_\_\_\_\_ kg** | | |  |  | | --- | --- | | **1b.** | **1.9 kg = \_\_\_\_\_\_\_\_\_\_\_ g** | |
| |  |  | | --- | --- | | **2a.** | **1,884 ml = \_\_\_\_\_\_\_\_\_\_\_ L** | | |  |  | | --- | --- | | **2b.** | **48 mm = \_\_\_\_\_\_\_\_\_\_\_ cm** | |
| |  |  | | --- | --- | | **3a.** | **3.19 cm = \_\_\_\_\_\_\_\_\_ mm** | | |  |  | | --- | --- | | **3b.** | **3.6 cm = \_\_\_\_\_\_\_\_\_\_\_ mm** | |
| |  |  | | --- | --- | | **4a.** | **0.65 m = \_\_\_\_\_\_\_\_\_\_\_ cm** | | |  |  | | --- | --- | | **4b.** | **67 cm = \_\_\_\_\_\_\_\_\_\_\_ m** | |
| |  |  | | --- | --- | | **5a.** | **1,340 ml = \_\_\_\_\_\_\_\_\_\_\_ L** | | |  |  | | --- | --- | | **5b.** | **4.12 cm = \_\_\_\_\_\_\_\_\_\_\_ mm** | |
| |  |  | | --- | --- | | **6a.** | **8,519 ml = \_\_\_\_\_\_\_\_\_\_\_ L** | | |  |  | | --- | --- | | **6b.** | **70 cm = \_\_\_\_\_\_\_\_\_\_\_ m** | |
| |  |  | | --- | --- | | **7a.** | **3.5 m = \_\_\_\_\_\_\_\_\_\_\_ cm** | | |  |  | | --- | --- | | **7b.** | **2.3 kg = \_\_\_\_\_\_\_\_\_\_\_ g** | |
| |  |  | | --- | --- | | **8a.** | **0.1 kg = \_\_\_\_\_\_\_\_\_\_\_ g** | | |  |  | | --- | --- | | **8b.** | **11 ml = \_\_\_\_\_\_\_\_\_\_\_ L** | |
| |  |  | | --- | --- | | **9a.** | **6,347 ml = \_\_\_\_\_\_\_\_\_\_\_ L** | | |  |  | | --- | --- | | **9b.** | **272 mm = \_\_\_\_\_\_\_\_\_\_\_ cm** | |
| |  |  | | --- | --- | | **10a.** | **2.82 L = \_\_\_\_\_\_\_\_\_\_\_ ml** | | |  |  | | --- | --- | | **10b.** | **12.8 L = \_\_\_\_\_\_\_\_\_\_\_ ml** | |